

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	26364	optical near2 module	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L2	3297	L1 and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L3	2392	L2 and substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L4	1314	L3 and (heat\$4 or cool\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L5	17	L4 and soak\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L6	928	L1 same electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L7	451	L6 same substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L8	62	L7 same (heat\$4 or cool\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L9	10	L7 same (heat\$4 and cool\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L10	426	385/7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L11	1169	385/8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24

## EAST Search History

L12	927	385/40	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L13	6	(US-20030053765-\$ or US-20030123805-\$ or US-20050089282-\$).did. or (US-5717803-\$ or US-5848210-\$ or US-6477284-\$ or US-6829079-\$ or US-6934448-\$).did.	US-PGPUB; USPAT	OR	ON	2006/04/03 09:24
L14	5028	385/14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L15	2165	385/49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L16	3511	385/88	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L17	1978	385/89	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L18	883	385/90	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L19	2484	385/92	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L20	0	oikawa-yiochi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L21	138	oikawa-yoichi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L22	4	aota-hirofumi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24

## EAST Search History

L23	35	akimoto-kazuaki.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L24	176	miyata-hideyuki.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L25	147	nakazawa-tadao.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L26	26364	optical near2 module	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L27	3297	L26 and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L28	2392	L27 and substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L29	1314	L28 and (heat\$4 or cool\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L30	928	L26 same electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L31	451	L30 same substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L32	62	L31 same (heat\$4 or cool\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L33	17	L29 and soak\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L34	10	L31 same (heat\$4 and cool\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24

## EAST Search History

L35	2129730	substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L36	1559573	electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L37	440976	L35 same L36	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L38	5478	L37 same module	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L39	20531	L37 and module	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L40	799	L38 and (side near3 (plate or wall))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L41	612	L40 and heat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L42	10	L41 and soak\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L43	66	L41 and bridg\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:24
L44	5	1 and (inter adj digital adj transduc\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:52
L45	5	1 and (inter near2 digital near2 transduc\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:52
L46	5	1 and (inter-digital near2 transduc\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 09:52

## EAST Search History

L47	6	1 and (interdigital near2 transduc\$4)	U-PGPUB; U-PAT; E-PJPO; E-RWENT	OR	ON	2006/04/03 09:52
S1	24278	optical near2 module	U-PGPUB; U-PAT; E-PJPO; E-RWENT	OR	ON	2005/09/22 16:35
S2	2975	S1 and electrode	U-PGPUB; U-PAT; E-PJPO; E-RWENT	OR	ON	2005/09/22 16:35
S3	2154	S2 and substrate	U-PGPUB; U-PAT; E-PJPO; E-RWENT	OR	ON	2005/09/22 16:35
S4	1189	S3 and (heat\$4 or cool\$4)	U-PGPUB; U-PAT; E-PJPO; E-RWENT	OR	ON	2005/09/22 16:51
S5	16	S4 and soak\$4	U-PGPUB; U-PAT; E-PJPO; E-RWENT	OR	ON	2005/09/22 16:51
S6	831	S1 same electrode	U-PGPUB; U-PAT; E-PJPO; E-RWENT	OR	ON	2005/09/22 16:51
S7	405	S6 same substrate	U-PGPUB; U-PAT; E-PJPO; E-RWENT	OR	ON	2005/09/22 16:51
S8	53	S7 same (heat\$4 or cool\$4)	U-PGPUB; U-PAT; E-PJPO; E-RWENT	OR	ON	2005/09/22 16:52
S9	9	S7 same (heat\$4 and cool\$4)	U-PGPUB; U-PAT; E-PJPO; E-RWENT	OR	ON	2005/09/22 16:52
S10	413	385/7	U-PGPUB; U-PAT; E-PJPO; E-RWENT	OR	ON	2005/09/23 13:42
S11	1111	385/8	U-PGPUB; U-PAT; E-PJPO; E-RWENT	OR	ON	2005/09/23 13:42

## EAST Search History

S12	867	385/40	GPUB; AT; PO; ENT	OR	ON	2005/09/23 13:42
S13	8	(US-20030053765-\$ or US-20030123805-\$ or US-20050089282-\$).did. or (US-5717803-\$ or US-5848210-\$ or US-6477284-\$ or US-6829079-\$ or US-6934448-\$).did.	GPUB; AT	OR	ON	2005/09/23 13:42
S14	4695	385/14	GPUB; AT; PO; ENT	OR	ON	2005/09/23 14:26
S15	2048	385/49	GPUB; AT; PO; ENT	OR	ON	2005/09/23 14:26
S16	3294	385/88	GPUB; AT; PO; WENT	OR	ON	2005/09/23 14:27
S17	1864	385/89	GPUB; AT; PO; ENT	OR	ON	2005/09/23 14:27
S18	835	385/90	GPUB; AT; PO; ENT	OR	ON	2005/09/23 14:27
S19	2324	385/92	GPUB; AT; PO; ENT	OR	ON	2005/09/23 14:27
S20	0	oikawa-yiochi.in.	GPUB; AT; PO; ENT	OR	ON	2005/09/23 14:27
S21	135	oikawa-yoichi.in.	GPUB; AT; PO; ENT	OR	ON	2005/09/23 14:27
S22	4	aota-hirofumi.in.	GPUB; AT; PO; ENT	OR	ON	2005/09/23 14:27

# EAST Search History

S23	35	akimoto-kazuaki.in.	PUB;	OR	ON	2005/09/23 14:28
			PO;			
			MENT			
S24	168	miyata-hideyuki.in.	PUB;	OR	ON	2005/09/23 14:28
			PO;			
			MENT			
S25	136	nakazawa-tadao.in.	PUB;	OR	ON	2005/09/23 14:28
			PO;			
			MENT			
S26	24278	optical near2 module	PUB;	OR	ON	2005/09/23 14:32
			PO;			
			MENT			
S27	2975	S26 and electrode	PUB;	OR	ON	2005/09/23 14:32
			PO;			
			MENT			
S28	2154	S27 and substrate	PUB;	OR	ON	2005/09/23 14:32
			PO;			
			MENT			
S29	1189	S28 and (heat\$4 or cool\$4)	PUB;	OR	ON	2005/09/23 14:32
			PO;			
			MENT			
S30	16	S29 and soak\$4	PUB;	OR	ON	2005/09/23 14:32
			PO;			
			MENT			
S31	831	S26 same electrode	PUB;	OR	ON	2005/09/23 14:32
			PO;			
			MENT			
S32	405	S31 same substrate	PUB;	OR	ON	2005/09/23 14:32
			PO;			
			MENT			
S33	53	S32 same (heat\$4 or cool\$4)	PUB;	OR	ON	2005/09/23 14:32
			PO;			
			MENT			
S34	9	S32 same (heat\$4 and cool\$4)	PUB;	OR	ON	2005/09/23 14:32
			PO;			
			MENT			

# EAST Search Library

S35	2127631	substrate	UB; OR ON	2006/03/28 14:13
S36	1558342	electrode	UB; OR ON	2006/03/28 14:13
S37	440465	S35 same S36	UB; OR ON	2006/03/28 14:14
S38	5473	S37 same module	UB; OR ON	2006/03/28 14:14
S39	20445	S37 and module	UB; OR ON	2006/03/28 14:14
S40	797	S38 and (side near3 (plate or wall))	UB; OR ON	2006/03/28 14:15
S41	612	S40 and heat\$4	UB; OR ON	2006/03/28 14:17
S42	10	S41 and soak\$4	UB; OR ON	2006/03/28 14:21
S43	66	S41 and bridg\$4	UB; OR ON	2006/03/28 14:21



**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☒ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**